

Title (en)

REFLECTING LIGHT POLARIZER HAVING POLARIZING FILM BETWEEN TWO SAWTOOTH-SHAPED SURFACES

Title (de)

REFLEKTIERENDER LICHTPOLARISIERER MIT EINEM POLARISATIONSFILM ZWISCHEN ZWEI SÄGEZAHNFÖRMIGEN OBERFLÄCHEN

Title (fr)

POLARISEUR DE LUMIERE PAR REFLEXION, PRESENTANT UN FILM POLARISANT ENTRE DEUX SURFACES EN DENTS DE SCIE

Publication

**EP 1506436 A1 20050216 (EN)**

Application

**EP 03732594 A 20030515**

Priority

- EP 0350166 W 20030515
- US 15034802 A 20020517

Abstract (en)

[origin: US2003214716A1] A reflecting light polarizer having improved polarizing efficiency, and a method of manufacturing the reflecting light polarizer. The reflecting light polarizer includes a first non-linear mating surface, a second non-linear mating surface and a polarizing coating disposed between the first and second non-linear mating surfaces wherein a first light polarization is transmitted through the reflecting light polarizer and a second light polarization is reflected by the reflecting light polarizer. The reflecting light polarizer can further include glue disposed between the first non-linear mating surface and the second non-linear mating surface. The reflecting light polarizer also can include at least one clamping device securing together the first non-linear mating surface and the second non-linear mating surface. The first and second non-linear mating surfaces can be glass, plastic or crystalline.

IPC 1-7

**G02B 5/30**; **G02B 27/28**

IPC 8 full level

**G02B 5/124** (2006.01); **G02B 5/30** (2006.01)

CPC (source: EP KR US)

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